

Annotation

This thesis deals with the stress on a bicycle ergometer.

This theoretical part is a summary of findings on the response of the cardiovascular parameters, one-leg ergometry, description of Borg RPE scale and laterality of the lower limbs.

The practical part is a comparison of the measured values of cardiovascular parameters. Furthermore was evaluating the subjective perception of the intensity of workload and compares the workload between the left and right limbs.

Methodology and data processing: data collection for statistical processing was carried out from December 2013 to early April 2014. Research group included 16 probands. The results were statistically analyzed and described.

Results and conclusions: There are differences in the values of cardiovascular parameters at maximum workload between the two and one leg. At submaximal workload are not significant differences

Keywords: cardiovascular parameters, one-legged ergometry, laterality, Borg RPE scale